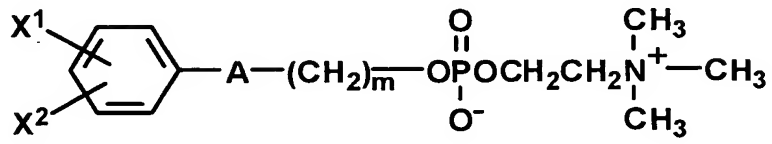
CLAIMS

1. A compound having a phosphorylcholine group, represented by the formula (I):



(I)

wherein X^1 and X^2 are both amino groups or $-COOR^1$ groups where R^1's may be the same or different from each other and are each a hydrogen atom or a carboxyl-protective group; A is a bond selected from a single bond, -O-, -COO-, -OOC-, -CONH-, -NH-, -NHCO-, $-NR^2-$ and $-CH_2O-$ where R^2 is an alkyl group having 1 to 6 carbon atoms; and m is an integer of 1 to 12.

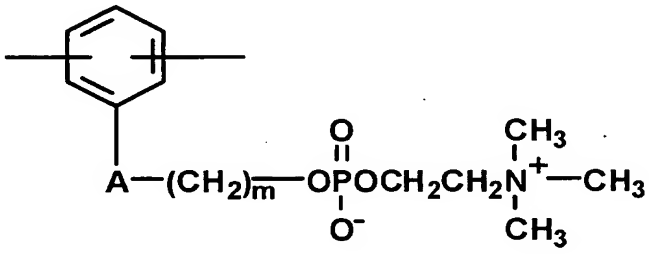
2. The compound having a phosphorylcholine group according to claim 1, wherein X^1 and X^2 are both amino groups.

3. The compound having a phosphorylcholine group according to claim 1, wherein X^1 and X^2 are both $-COOR^1$ groups where R^1's are both hydrogen atoms.

4. The compound having a phosphorylcholine group according to claim 1, wherein X^1 and X^2 are both $-COOR^1$ groups where R^1's may be the same or different from each other and

are each an alkyl group having 1 to 6 carbon atoms, a substituted or unsubstituted arylmethyl group, a cyclic ether residue, an alkylsilyl group or an alkylphenylsilyl group.

5. A polymer comprising at least 1 mol% of repeating units with a phosphorylcholine group and having a number-average molecular weight of 1,000 or more, the repeating units with a phosphorylcholine group being represented by the formula (II):



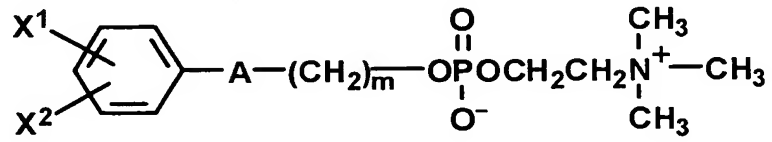
(II)

wherein A is a bond selected from a single bond, -O-, -COO-, -OOC-, -CONH-, -NH-, -NHCO-, $-NR^2-$ and $-CH_2O-$ where R^2 is an alkyl group having 1 to 6 carbon atoms; and m is an integer of 1 to 12.

6. The polymer according to claim 5, which has one or more bonds selected from an amido bond, an ester bond, a urethane bond, a urea bond and an imido bond within its main chain skeleton.

7. A process for producing a polymer as described in

claim 5, which process comprises performing polycondensation or polyaddition of a compound having a phosphorylcholine group represented by the formula (I) and another polymerizable monomer:



(I)

wherein X^1 and X^2 are both amino groups or $-COOR^1$ groups where R^1's may be the same or different from each other and are each a hydrogen atom or a carboxyl-protective group; A is a bond selected from a single bond, -O-, -COO-, -OOC-, -CONH-, -NH-, -NHCO-, $-NR^2-$ and $-CH_2O-$ where R^2 is an alkyl group having 1 to 6 carbon atoms; and m is an integer of 1 to 12.

8. The process according to claim 7, wherein the other polymerizable monomer is one or more monomers selected from a dicarboxylic acid, a dicarboxylic acid derivative, a tetracarboxylic dianhydride, a diisocyanate compound, a diamine compound and a diol compound.